

In the Claims

1-11. (cancelled)

12. (new) A non-return valve, comprising:

a valve housing defining an interior fluid passage extending along a longitudinal axis of said housing, and having a wall with a first guide slot opening extending in an axial direction of said valve housing;

a seat element in said fluid passage defining a valve seat;

a closing spring in said valve housing;

a detent element biased by said closing spring and mounted for axial movement in said passage between a detent position adjoining said seat element and opening positions spaced from said valve seat against biasing of said closing spring, said closing spring biasing said detent element against said valve seat;

a first control pin extending through and guidedly movable in said slot opening and having an interior end seated in a radial hole of said seat element and an exterior section projecting from an exterior of said valve housing; and

a displacement member actuatable on said exterior of said valve housing and engaged with said control pin to fix said control pin and said seat element in axial adjustment positions to adjust magnitudes of closing forces of said closing spring.

13. (new) A non-return valve according to claim 12 wherein

said valve housing includes an interior wall delimiting said fluid passage and forming a guide for axial displacement of said seat element, said seat element comprising an adjustment piston having an interior passage coaxial to said fluid passage, said interior passage having an edge facing said detent element and forming said valve seat, said detent element having a valve cone.

14. (new) A non-return valve according to claim 12 wherein

said valve housing comprises an exterior thread adjacent said slot opening; and

said displacement member comprises a first positioning nut engaging said exterior thread and said exterior section of said control pin to adjust axial positioning of said seat element.

15. (new) A non-return valve according to claim 14 wherein

said valve housing comprises a second slot opening diametrically opposite said first slot opening; and

a second control pin extends from said seat element diametrically opposite said first control pin and through said second slot opening, and has an exterior section projecting from said exterior of said valve housing.

16. (new) A non-return valve according to claim 15 wherein

said displacement member comprises a second positioning nut engaging said exterior thread, said exterior sections of said control pins being positioned between said first and second positioning nuts.

17. (new) A non-return valve according to claim 12 wherein

a guide element with fluid passages is mounted in said fluid passages of said valve housing, said guide element being guided for axial displacement within said valve housing.

18. (new) A non-return valve according to claim 17 wherein

said guide element comprises a guide pin extending concentrically with said longitudinal axis and received in a blind bore hole in said detent element concentric with said longitudinal axis, said blind bore hole being open on an end of said detent element facing away from said seat element, said blind bore hole having an axial length permitting axial displacement of said detent element relative to said guide pin corresponding to said open positions.

19. (new) A non-return valve according to claim 17 wherein

said closing spring comprises a helical compression spring positioned between said guide element and said detent element.

20. (new) A non-return valve according to claim 19 wherein

guide element comprises a guide pin on an end thereof adjacent to and engaging said detent element and radially extending arms on an end thereof opposite said guide pin, said radially extending arms being anchored on said valve housing and supporting said closing spring.

21. (new) A non-return valve according to claim 12 wherein

said seat element comprises an adjustment piston with an interior passage coaxial with said fluid passage.

22. (new) A non-return valve according to claim 21 wherein

said interior passage has an edge facing said detent element and forming said valve seat.

23. (new) A non-return valve according to claim 22 wherein

said detent element comprises a valve cone.